

ASBESTOS ASSES SURVEY

H-K Building #: 25
Project Number: 0980193E
Project: G. HEILEMAN BREWERY "E"
Date Inspected: 03/27/89
Inspector: TIM SWARTZ

Building Number: 25
Building Name: FERMENTATION
SEATTLE, WASHINGTON
Building Type: BEER FERM.
Year Constructed: 1958

| ***** AREA NUMBER: 01 | | | AREA DESCRIPTION: Basement-Tank Room | | | AREA AVERAGE % ASBESTOS: 41% | | | ***** | | | |
|---|---------------|-----|--------------------------------------|----------|---------------|------------------------------|---------|---------|-------|---------------|-------------------|-------------|
| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
| along north wall | 00-356408 | 60% | pipe covering | OMA | 28 ft. 6 in. | O.D. HPS/R | 28 | 111 | | \$363 | \$227 | \$590 |
| along south wall | 00-356408 | 60% | pipe covering | OMA | 55 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$491 | \$307 | \$798 |
| along south wall | 00-356408 | 60% | pipe covering | OMA | 8 ft. 6 in. | O.D. HPS/R | 28 | 111 | | \$104 | \$65 | \$169 |
| along north wall | 00-356408 | 60% | pipe covering | OMA | 65 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$580 | \$363 | \$943 |
| southwest area-above air handling unit | 00-356408 | 60% | pipe covering | OMA | 25 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$223 | \$139 | \$362 |
| along west wall | 00-356408 | 60% | pipe covering | OMA | 110 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$981 | \$614 | \$1,595 |
| crawl space-in north wall-near ceiling | 00-356408 | 60% | pipe covering | OMA | 5 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$45 | \$28 | \$73 |
| south center area-by convertor | 00-356408 | 60% | pipe covering | OMA | 46 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$410 | \$257 | \$667 |
| NE center area-above yeast retainers | 00-356408 | 60% | pipe covering | OMA | 16 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$143 | \$89 | \$232 |
| northeast area-by chilled water tank | 00-356408 | 60% | pipe covering | OMA | 10 ft. 6 in. | O.D. HPS/R | 28 | 111 | | \$130 | \$81 | \$211 |
| by northeast concrete column | 00-356408 | 60% | pipe covering | OMA | 60 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$89 | \$56 | \$145 |
| northeast area-by chilled water tank | 00-356408 | 60% | pipe covering | OMA | 12 ft. 4 in. | O.D. HPS/R | 28 | 111 | | \$107 | \$67 | \$174 |
| north wall-northeast area | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 32 ft. 4 in. | O.D. DW | 28 | 111 | | \$285 | \$179 | \$464 |
| north wall-northeast area | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 3 ft. 8 in. | O.D. DW | 28 | 111 | | \$42 | \$30 | \$72 |
| center-running north & south-at ceiling | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 20 ft. 6 in. | O.D. DW | 28 | 111 | | \$260 | \$162 | \$422 |
| north wall-northeast area | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 6 ft. 6 in. | O.D. DW | 28 | 111 | | \$78 | \$49 | \$127 |
| center-running north & south-at ceiling | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 95 ft. 4 in. | O.D. DW | 28 | 111 | | \$847 | \$530 | \$1,377 |
| NW center area-above yeast retainers | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 48 ft. 4 in. | O.D. DW | 28 | 111 | | \$428 | \$268 | \$696 |
| along north & west walls | 02-356404 | 0% | mjp on non-suspect pipe cover | OMA | 15 4 in. | O.D. DW | | | | | | |
| | 02-356405 | 0% | | | | | | | | | | |
| | 02-356406 | 0% | | | | | | | | | | |
| along north wall | 03-356409 | 60% | mjp on pipe covering | OMA | 13 6 in. | O.D. HPS/R | 28 | 111 | | \$503 | \$295 | \$798 |
| crawl space-in north wall-near ceiling | 03-356409 | 60% | mjp on pipe covering | OMA | 1 4 in. | O.D. HPS/R | 28 | 111 | | \$28 | \$16 | \$44 |
| southwest area-above air handling unit | 03-356409 | 60% | mjp on pipe covering | OMA | 3 4 in. | O.D. HPS/R | 28 | 111 | | \$84 | \$47 | \$131 |
| along north wall | 03-356409 | 60% | mjp on pipe covering | OMA | 16 4 in. | O.D. HPS/R | 28 | 111 | | \$449 | \$250 | \$699 |
| along south wall | 03-356409 | 60% | mjp on pipe covering | OMA | 4 6 in. | O.D. HPS/R | 28 | 111 | | \$155 | \$91 | \$246 |
| along south wall | 03-356409 | 60% | mjp on pipe covering | OMA | 20 4 in. | O.D. HPS/R | 28 | 111 | | \$562 | \$312 | \$874 |
| along west wall | 03-356409 | 60% | mjp on pipe covering | OMA | 6 4 in. | O.D. HPS/R | 28 | 111 | | \$169 | \$94 | \$263 |
| by northeast concrete column | 03-356409 | 60% | mjp on pipe covering | OMA | 2 4 in. | O.D. HPS/R | 28 | 111 | | \$56 | \$31 | \$87 |
| NE center area-above yeast retainers | 03-356409 | 60% | mjp on pipe covering | OMA | 3 4 in. | O.D. HPS/R | 28 | 111 | | \$84 | \$47 | \$131 |
| northeast area-by chilled water tank | 03-356409 | 60% | mjp on pipe covering | OMA | 2 6 in. | O.D. HPS/R | 28 | 111 | | \$77 | \$45 | \$122 |
| northeast area-by chilled water tank | 03-356409 | 60% | mjp on pipe covering | OMA | 3 4 in. | O.D. HPS/R | 28 | 111 | | \$84 | \$47 | \$131 |
| south center area-by convertor | 03-356409 | 60% | mjp on pipe covering | OMA | 14 4 in. | O.D. HPS/R | 28 | 111 | | \$393 | \$219 | \$612 |
| | 03-356410 | 40% | | | | | 28 | 111 | | | | |
| | 03-356411 | 50% | | | | | 28 | 111 | | | | |
| south center area-convertor tank-by AHU | 04-356412 | 50% | boiler/tank insulation | OMB | 11 sq.ft. | | 28 | 111 | | \$311 | \$249 | \$560 |
| | 04-356413 | 50% | | | | | 28 | 111 | | | | |
| | 04-356414 | 50% | | | | | 28 | 111 | | | | |
| north wall-northeast area | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 2 8 in. | O.D. DW | 28 | 111 | | \$96 | \$57 | \$153 |
| center-running north & south-at ceiling | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 10 6 in. | O.D. DW | 28 | 111 | | \$387 | \$227 | \$614 |
| north wall-northeast area | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 12 4 in. | O.D. DW | 28 | 111 | | \$337 | \$187 | \$524 |

ASBESTOS ASSES SURVEY

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Inspector: TIM SWARTZ

Building Number: 25
Building Name: FERMENTATION
SEATTLE, WASHINGTON
Building Type: BEER FERM.
Year Constructed: 1958

| | | | | | | | | | | |
|---|-----------|-----|--------------------------------|-----|-------------------|----|--------|-------|-------|-------|
| north wall-northeast area | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 3 6 in. O.D. | DW | 28 III | \$116 | \$68 | \$184 |
| center-running north & south-at ceiling | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 15 4 in. O.D. | DW | 28 III | \$421 | \$234 | \$655 |
| NW center area-above yeast retainers | 05-356416 | 40% | wrapped cardboard/paper pipe | OMA | 16 ft. 4 in. O.D. | DW | 28 III | \$143 | \$89 | \$232 |
| | 05-356417 | 50% | | | | | 28 III | | | |
| | 05-356418 | 50% | | | | | 28 III | | | |
| SE area-above refrigeration tanks | 06-356419 | 20% | mjp on non-suspect pipe cover | OMA | 6 4 in. O.D. | DR | 28 III | \$169 | \$94 | \$263 |
| | 06-356420 | 50% | | | | | 28 III | | | |
| | 06-356421 | 50% | | | | | 28 III | | | |

AREA COMMENTS

The materials are in fair to good condition with minor contact and water damage. The materials are approximately 1' to 16' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$10,230 \$6,210 \$16,440

***** AREA NUMBER: 02 AREA DESCRIPTION: Basement AREA AVERAGE % ASBESTOS: 3% *****

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|---|---------------|-----|----------------------|----------|---------------|------------------|---------|---------|----|---------------|-------------------|-------------|
| tank room-running N & S-at center of rm | 07-356422 | 2% | cork pipe covering | OMA | 25 ft. 8 in. | O.D. RS/R | 12 IV | | | \$354 | \$253 | \$607 |
| east of elevator | 07-356422 | 2% | cork pipe covering | OMA | 10 ft. 12 in. | O.D. RS/R | 12 IV | | | \$220 | \$169 | \$389 |
| tank room-SE area-above ammonia tanks | 07-356422 | 2% | cork pipe covering | OMA | 30 ft. 8 in. | O.D. RS/R | 12 IV | | | \$424 | \$303 | \$727 |
| | 07-356423 | 2% | | | | | 12 IV | | | | | |
| | 07-356424 | 5% | | | | | 12 IV | | | | | |

AREA COMMENTS

The material is in good condition with minor contact and water damage. The material is approximately 10' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 02 TOTAL \$998 \$725 \$1,723

***** AREA NUMBER: 03 AREA DESCRIPTION: 1st Floor-Above Permanent Ceiling AREA AVERAGE % ASBESTOS: 28% *****

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|--------------------------|---------------|-----|--------------------------------|----------|--------------|------------------|---------|---------|----|---------------|-------------------|-------------|
| restroom | 00-356400 | 10% | wrapped cardboard/paper pipe | OMA | 7 ft. 4 in. | O.D. DW | 17 IV | | | \$62 | \$39 | \$101 |
| restroom | 00-356400 | 10% | wrapped cardboard/paper pipe | OMA | 7 ft. 8 in. | O.D. DW | 17 IV | | | \$99 | \$71 | \$170 |
| restroom | 00-356407 | 50% | pipe covering | OMA | 7 ft. 6 in. | O.D. HPS/R | 17 IV | | | \$91 | \$57 | \$148 |
| restroom | 01-356401 | 40% | mjp on wrapped cardboard/paper | OMA | 1 4 in. O.D. | DW | 17 IV | | | \$28 | \$16 | \$44 |
| restroom | 01-356401 | 40% | mjp on wrapped cardboard/paper | OMA | 2 8 in. O.D. | DW | 17 IV | | | \$96 | \$57 | \$153 |
| | 01-356402 | 40% | | | | | 17 IV | | | | | |

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Inspector: TIM SWARTZ

Building Number: 25
Building Name: FERMENTATION
SEATTLE, WASHINGTON
Building Type: BEER FERM.
Year Constructed: 1958

| | | | | | |
|--|-----------|-----|--|-------|--|
| | 01-356403 | 40% | | 17 IV | |
|--|-----------|-----|--|-------|--|

AREA COMMENTS

AREA # 03 TOTAL \$376 \$240 \$616

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 7' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

| | | | | |
|-------|-----------------|---|------------------------------|-------|
| ***** | AREA NUMBER: 04 | AREA DESCRIPTION: 2nd Floor-Above Permanent Ceiling | AREA AVERAGE % ASBESTOS: 22% | ***** |
|-------|-----------------|---|------------------------------|-------|

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&H CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|--------------------------|---------------|-----|--------------------------------|----------|----------|------------------|---------|---------|----|---------------|-------------------|-------------|
| restroom | 00-356425 | 10% | wrapped cardboard/paper pipe | OMA | 20 ft. | 4 in. O.D. | DW | 17 | IV | \$178 | \$112 | \$290 |
| restroom | 00-356425 | 10% | wrapped cardboard/paper pipe | OMA | 7 ft. | 8 in. O.D. | DW | 17 | IV | \$99 | \$71 | \$170 |
| restroom | 00-356429 | 35% | pipe covering | OMA | 7 ft. | 6 in. O.D. | HPS/R | 17 | IV | \$91 | \$57 | \$148 |
| restroom | 08-356426 | 35% | mjp on wrapped cardboard/paper | OMA | 3 | 8 in. O.D. | DW | 17 | IV | \$144 | \$85 | \$229 |
| restroom | 08-356426 | 35% | mjp on wrapped cardboard/paper | OMA | 7 | 4 in. O.D. | DW | 17 | IV | \$197 | \$109 | \$306 |
| | 08-356427 | 32% | | | | | | 17 | IV | | | |
| | 08-356428 | 30% | | | | | | 17 | IV | | | |

AREA COMMENTS

AREA # 04 TOTAL \$709 \$434 \$1,143

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 7' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

| | | | | |
|-------|-----------------|---|------------------------------|-------|
| ***** | AREA NUMBER: 05 | AREA DESCRIPTION: 3rd Floor-Above Permanent Ceiling | AREA AVERAGE % ASBESTOS: 22% | ***** |
|-------|-----------------|---|------------------------------|-------|

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&H CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|--------------------------|---------------|-----|--------------------------------|----------|----------|------------------|---------|---------|----|---------------|-------------------|-------------|
| restroom | 00-356430 | 10% | wrapped cardboard/paper pipe | OMA | 20 ft. | 4 in. O.D. | DW | 17 | IV | \$178 | \$112 | \$290 |
| restroom | 00-356430 | 10% | wrapped cardboard/paper pipe | OMA | 7 ft. | 8 in. O.D. | DW | 17 | IV | \$99 | \$71 | \$170 |
| restroom | 00-356434 | 35% | pipe covering | OMA | 7 ft. | 6 in. O.D. | HPS/R | 17 | IV | \$91 | \$57 | \$148 |
| restroom | 09-356431 | 33% | mjp on wrapped cardboard/paper | OMA | 7 | 4 in. O.D. | DW | 17 | IV | \$197 | \$109 | \$306 |
| restroom | 09-356431 | 33% | mjp on wrapped cardboard/paper | OMA | 3 | 8 in. O.D. | DW | 17 | IV | \$144 | \$85 | \$229 |
| | 09-356432 | 20% | | | | | | 17 | IV | | | |
| | 09-356433 | 40% | | | | | | 17 | IV | | | |

ASBESTOS ASSES SURVEY

H-K Building #: 25
 Project Number: 0980193E
 Project: G. HEILEMAN BREWERY "E"
 Date Inspected: 03/27/89
 Inspector: TIM SWARTZ

Building Number: 25
 Building Name: FERMENTATION
 SEATTLE, WASHINGTON
 Building Type: BEER FERM.
 Year Constructed: 1958

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 10' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 05 TOTAL \$709 \$434 \$1,143

***** AREA NUMBER: 06 AREA DESCRIPTION: 4th Floor-Above Permanent Ceiling AREA AVERAGE % ASBESTOS: 33% *****

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|--------------------------|---------------|-----|--------------------------------|----------|----------|------------------|---------|---------|----|---------------|-------------------|-------------|
| Janitor's closet | 00-356435 | 10% | wrapped cardboard/paper pipe | OMA | 18 ft. | 4 in. O.D. | DW | 18 | IV | \$161 | \$100 | \$261 |
| Janitor's closet | 00-356435 | 10% | wrapped cardboard/paper pipe | OMA | 8 ft. | 8 in. O.D. | DW | 18 | IV | \$113 | \$81 | \$194 |
| Janitor's closet | 00-356439 | 50% | pipe covering | OMA | 10 ft. | 4 in. O.D. | HPS/R | 18 | IV | \$89 | \$56 | \$145 |
| Janitor's closet | 00-356439 | 50% | pipe covering | OMA | 55 ft. | 6 in. O.D. | HPS/R | 18 | IV | \$714 | \$446 | \$1,160 |
| Janitor's closet | 10-356436 | 20% | mjp on wrapped cardboard/paper | OMA | 6 4 | in. O.D. | DW | 18 | IV | \$169 | \$94 | \$263 |
| Janitor's closet | 10-356436 | 20% | mjp on wrapped cardboard/paper | OMA | 3 8 | in. O.D. | DW | 18 | IV | \$144 | \$85 | \$229 |
| | 10-356437 | 30% | | | | | | 18 | IV | | | |
| | 10-356438 | 30% | | | | | | 18 | IV | | | |
| Janitor's closet | 11-356440 | 50% | mjp on pipe covering | OMA | 5 4 | in. O.D. | HPS/R | 18 | IV | \$140 | \$78 | \$218 |
| Janitor's closet | 11-356440 | 50% | mjp on pipe covering | OMA | 21 6 | in. O.D. | HPS/R | 18 | IV | \$812 | \$477 | \$1,289 |
| | 11-356441 | 50% | | | | | | 18 | IV | | | |
| | 11-356442 | 50% | | | | | | 18 | IV | | | |

AREA COMMENTS

The materials are in fair condition with localized contact and water damage. The materials are approximately 1' to 7' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 06 TOTAL \$2,342 \$1,417 \$3,759

***** AREA NUMBER: 07 AREA DESCRIPTION: 4th Floor-Above Permanent Ceiling AREA AVERAGE % ASBESTOS: 62% *****

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|--------------------------|---------------|-----|----------------------|----------|----------|------------------|---------|---------|----|---------------|-------------------|-------------|
| Janitor's closet | 12-356443 | 60% | debris | OMF | 6 sq.ft. | | | 110 | I | \$100 | \$0 | \$100 |
| | 12-356444 | 70% | | | | | | 110 | I | | | |
| | 12-356445 | 55% | | | | | | 110 | I | | | |

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 25
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 Project: G. HEILEMAN BREWERY "E"
 Date Inspected: 03/27/89
 Inspector: TIM SWARTZ

Building Number: 25
 Building Name: FERMENTATION
 SEATTLE, WASHINGTON
 Building Type: BEER FERM.
 Year Constructed: 1958

AREA COMMENTS

This debris is magnesite pipe covering found on the floor of this area. At a minimum, it is recommended that the debris be removed. If removal is planned, gross removal procedures are recommended. This appears to be a low traffic area.

AREA # 07 TOTAL \$100 \$0 \$100

***** AREA NUMBER: 08 AREA DESCRIPTION: 5th Floor-Hot Wort Tank Room AREA AVERAGE % ASBESTOS: 35% *****

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|--------------------------|---------------|-----|----------------------|----------|-------------|------------------|---------|---------|-----|---------------|-------------------|-------------|
| north wall-near floor | 00-356446 | 50% | pipe covering | OMA | 4 ft. 4 in. | O.D. HPS/R | 24 | 111 | | \$36 | \$22 | \$58 |
| north wall-near floor | 00-356447 | 30% | pipe covering | OMA | 4 ft. 4 in. | O.D. DW | 24 | 111 | | \$36 | \$22 | \$58 |
| north wall-near floor | 13-356448 | 40% | mjp on pipe covering | OMA | 2 4 in. | O.D. DW | 24 | 111 | | \$56 | \$31 | \$87 |
| | 13-356449 | 25% | | | | | | 24 | 111 | | | |
| | 13-356450 | 10% | | | | | | 24 | 111 | | | |

AREA COMMENTS

The materials are in good condition with minor contact damage. The materials are up to 4' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 08 TOTAL \$128 \$75 \$203

***** AREA NUMBER: 09 AREA DESCRIPTION: Basement AREA AVERAGE % ASBESTOS: 30% *****

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|---|---------------|-----|--------------------------------|----------|--------------|------------------|---------|---------|-----|---------------|-------------------|-------------|
| area east of elevator | 00-356408 | 60% | pipe covering | OMA | 18 ft. 4 in. | O.D. HPS/R | 25 | 111 | | \$161 | \$100 | \$261 |
| area east of elevator | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 18 ft. 8 in. | O.D. DW | 25 | 111 | | \$255 | \$182 | \$437 |
| area east of elevator | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 8 ft. 6 in. | O.D. DW | 25 | 111 | | \$104 | \$65 | \$169 |
| area east of elevator | 00-356415 | 10% | wrapped cardboard/paper pipe | OMA | 25 ft. 4 in. | O.D. DW | 25 | 111 | | \$223 | \$139 | \$362 |
| E of elevator-SE corner-above HW heater | 00-356737 | 50% | pipe covering | OMA | 8 ft. 4 in. | O.D. DW | 25 | 111 | | \$71 | \$45 | \$116 |
| area east of elevator | 02-356404 | 0% | mjp on non-suspect pipe cover | OMA | 4 4 in. | O.D. DW | | | | | | |
| | 02-356405 | 0% | | | | | | | | | | |
| | 02-356406 | 0% | | | | | | | | | | |
| area east of elevator | 03-356409 | 60% | mjp on pipe covering | OMA | 8 4 in. | O.D. HPS/R | 25 | 111 | | \$225 | \$125 | \$350 |
| | 03-356410 | 40% | | | | | | 25 | 111 | | | |
| | 03-356411 | 50% | | | | | | 25 | 111 | | | |
| area east of elevator | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 6 8 in. | O.D. DW | 25 | 111 | | \$289 | \$170 | \$459 |
| area east of elevator | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 8 4 in. | O.D. DW | 25 | 111 | | \$225 | \$125 | \$350 |
| area east of elevator | 05-356416 | 40% | mjp on wrapped cardboard/paper | OMA | 7 6 in. | O.D. DW | 25 | 111 | | \$271 | \$159 | \$430 |
| | 05-356417 | 50% | | | | | | 25 | 111 | | | |

ASBESTOS ASSES: SURVEY

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Building Number: 25
 Building Name: FERMENTATION
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 Building Type: BEER FERM.
 Year Constructed: 1958

| | | |
|-----------|-----|--------|
| 05-356418 | 50% | 25 III |
|-----------|-----|--------|

AREA COMMENTS

The materials are in good condition with minor contact damage. The materials are approximately 5' to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

| | | | | |
|-----------|-------|---------|---------|---------|
| AREA # 09 | TOTAL | \$1,824 | \$1,110 | \$2,934 |
|-----------|-------|---------|---------|---------|

| | | | | |
|-------|-----------------|------------------------------|------------------------------|-------|
| ***** | AREA NUMBER: 10 | AREA DESCRIPTION: Stairwells | AREA AVERAGE % ASBESTOS: 20% | ***** |
|-------|-----------------|------------------------------|------------------------------|-------|

| LOCATION OF THE MATERIAL | SAMPLE NUMBER | ASB | MATERIAL DESCRIPTION | O&M CODE | QUANTITY | UNITS OF MEASURE | PIPE ID | EXP POT | PL | REMOVAL COSTS | REPLACEMENT COSTS | TOTAL COSTS |
|--------------------------|---------------|-----|--------------------------------|----------|----------|------------------|---------|---------|-----|---------------|-------------------|-------------|
| 2nd floor | 00-356425 | 10% | wrapped cardboard/paper pipe | OMA | 12 ft. | 4 in. O.D. | DW | 25 | III | \$107 | \$67 | \$174 |
| 3rd floor | 00-356430 | 10% | wrapped cardboard/paper pipe | OMA | 12 ft. | 4 in. O.D. | DW | 25 | III | \$107 | \$67 | \$174 |
| 4th floor | 00-356435 | 10% | wrapped cardboard/paper pipe | OMA | 12 ft. | 4 in. O.D. | DW | 25 | III | \$107 | \$67 | \$174 |
| 2nd floor | 08-356426 | 35% | mjp on wrapped cardboard/paper | OMA | 1 4 in. | O.D. | DW | 25 | III | \$28 | \$16 | \$44 |
| | 08-356427 | 32% | | | | | | 25 | III | | | |
| | 08-356428 | 30% | | | | | | 25 | III | | | |
| 3rd floor | 09-356431 | 33% | mjp on wrapped cardboard/paper | OMA | 1 4 in. | O.D. | DW | 25 | III | \$28 | \$16 | \$44 |
| | 09-356432 | 20% | | | | | | 25 | III | | | |
| | 09-356433 | 40% | | | | | | 25 | III | | | |
| 4th floor | 10-356436 | 20% | mjp on wrapped cardboard/paper | OMA | 1 4 in. | O.D. | DW | 25 | III | \$28 | \$16 | \$44 |
| | 10-356437 | 30% | | | | | | 25 | III | | | |
| | 10-356438 | 30% | | | | | | 25 | III | | | |

AREA COMMENTS

The materials are in good condition with minor contact damage. The materials are approximately 6' to 16' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a high traffic area.

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|-----------|-------|-------|-------|-------|
| AREA # 10 | TOTAL | \$405 | \$249 | \$654 |
|-----------|-------|-------|-------|-------|

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|---------------|-------|----------|----------|----------|
| BUILDING # 25 | TOTAL | \$17,821 | \$10,894 | \$28,715 |
|---------------|-------|----------|----------|----------|